

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A method for selective call blocking in a communications network during an access overload condition:

detecting a plurality of simultaneous access requests from a plurality of mobile terminals, wherein the number of access requests exceeds capacity of a portion of the communications network, and

transmitting to the plurality of mobile terminals a message indicating a subset of the plurality of mobile terminals, the mobile terminals in the subset being prevented from accessing one or more service options or service option groups, or making calls of selected call types within the network,

wherein the subset of mobile terminals are identifiable by unique identity numbers.

2. (Previously presented) The method of claim 1 further comprising indicating the number of service options or service option groups by at least one parameter in the message.

3. (Previously presented) The method of claim 2 further comprising dynamically selecting the subset based on a classification of the mobile terminals.

4. (Previously presented) The method of claim 3 further comprising mapping the classification from unique identity numbers of the mobile terminals to one or more decimal values, wherein the decimal values are associated with the identity numbers.

5. (Original) The method of claim 1 further comprising indicating in the message whether emergency calls are prevented from accessing the network.

6-17. (Canceled)

18. (Previously presented) A node in a communications network, wherein the node has instructions for:

detecting a plurality of simultaneous access requests from a plurality of mobile terminals, wherein the number of access requests exceeds capacity of a portion of the communications network, and

transmitting to the plurality mobile terminals a message indicating a subset of the plurality of mobile terminals, the mobile terminals in the subset being prevented from accessing the network for one or more service options or service option groups, wherein the subset of mobile terminals are identifiable by unique identity numbers.

19. (Original) The node of claim 18 wherein the node has additional instructions for selecting the subset based on call type.

20. (Not entered)

21. (Original) The node of claim 19 wherein the node has additional instructions for selecting the subset based on a classification of the mobile terminals.

22. (Canceled)

23. (Original) The node of claim 18 wherein the node has additional instructions for indicating in the message whether emergency calls are prevented from accessing the network.

24. (Previously presented) A communications device comprising:
a processor,
a radio transceiver coupled to the processor,

a memory coupled to the processor, wherein the memory contains instructions for:

periodically receiving an access control message, and

determining whether the mobile communications device is subject to restrictions to one or more service option or service option groups indicated by the access control message, if yes, then storing indicators in the memory for later use.

25. (Original) The communications device of claim 24 further comprising instructions for

receiving a send command to initiate a call session, and

determining from the indicators whether the send command is subject to the access control message, if yes, then stopping the call session.

26. (Previously presented) The communications device of claim 24 wherein the determining instruction further comprises:

(a) reading a service indicated by the access control message,

(b) reading a class associated with the service,

(c) determining if the mobile communications device is a member of the class based on a unique identity number associated with the communications device, if yes, then storing an indicator associated with the service,

(d) repeating steps a through c for each service contained in the access control message.

27. (Previously presented) The communications device of claim 26 wherein step (c) further comprises determining if the mobile communications device is a member of the class using the last digit of the unique identity number associated with the mobile communications device.

28. (Original) The communications device of claim 26 wherein the instructions further comprises:

receiving a send command to initiate a call session,
determining the service associated with the send command,
determining from indicators if the service associated with the send command is subject to the access control message, if yes, then stopping the call.

29. (Original) The communications device of claim 24 wherein the instructions further comprises reading at least one emergency parameter in the access control message.

30. (Original) The communications device of claim 28 wherein the instructions further comprises determining if the call session is an emergency call, if the call session is an emergency call, then determining whether the at least one emergency parameter indicates whether the emergency call is subject to the access control message, if yes, then stopping the call session.

31. (Previously presented) The method of claim 1 wherein the message is repeated continuously for a predetermined period of time.

32. (Previously presented) The method of claim 1 wherein the message is repeated at one or more predetermined time intervals.

33. (Previously presented) The node of claim 18 wherein the message is repeated continuously for a predetermined period of time.

34. (Previously presented) The node of claim 18 wherein the message is repeated at one or more predetermined time intervals.

35. (Previously presented) The device of claim 24 wherein the access control message is repeated continuously for a predetermined period of time.

36. (Previously presented) The device of claim 24 wherein the access control message is repeated at one or more predetermined time intervals.